FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS **KPE** Project No. (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) 021-010-001 As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 PO No. 1. Manufactured and certified by Summit Energy Equipment, 41 HC Pioneer Pkwy., Sulphur Springs, Texas, 75482, USA (Name and address of Manufacturer) 2. Manufactured for KP ENGINEERING, 5555 OLD JACKSONVILLE HWY, TYLER, Texas, 75703, USA (Name and address of Purchaser) 3. Location of Installation NOT KNOWN (Name and address) **VERTICAL** 11392 N/A 200-021-006-001-01 2016 4. Type 106 (Horizontal or vertical, tank) (CRN) (National Board number) (Manufacturer's serial number) (Drawing number) (Year built) 5. ASME Code, Section VIII, Division 1 2013/ N/A N/A N/A [Edition and Addenda, if applicable (date)] (Code Case numbers) (Special service per UG-120(d)) 6. Shell: **SA516 GR70N** 1" 0.125 in 2' 10" (ID) 13' (Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)] Body Flanges on Shells Bolting How Flange ID Bolting No. Type OD Min Hub Thk Material Location Washer (OD, ID, Washer Attached Num & Size Thk Material thk) Material N/A 7. Seams: SPOT 85% N/A N/A TYPE 1 SPOT 85% 2 TYPE 1 [Long. (welded, dbl., sngl., lap, butt)] [R.T.(spot or full)] (Eff.,%) (H.T. temp) (Time, hr) [Girth. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (No. of courses) 8. Heads: (a) Material (b) Material **SA516 GR70N** SA516 GR70N (Spec. no., grade) (Spec. no., grade) Location (Top, Bottom, Knuckle Radius Elliptical Ratio Conical Apex Side to Pressure (Convex or Minimum Corrosion Crown Radius Hemispherical Flat Thickness Ends) Allowance Angle Radius Diameter Concave) (a) TOP 1" 0.125'N/A N/A 2:1 N/A N/A N/A CONCAVE **BOTTOM** 1' 0.125 N/A N/A N/A N/A CONCAVE (b) N/A 2.1 Body Flanges on Heads Min Hub Bolting Material Washer (OD, ID OD How Attached Location Flange Thk Material No. Type Thk Num & Size Washer Material N/A N/A N/A N/A N/A N/A (a) N/A N/A N/A N/A N/A at max. temp. 9. MAWP 683 psi 14.7 psi 725 °F 300 °F (External) (Internal) (Internal) (External) HYDRO at 1064 psi Min. design metal temp. -20 °F at 683 psi Hydro, pneu., or comb. test pressure Proof test N/A

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain,	l	Diameter	_	Ma	Nozzle ⁻	Thickness	Reinforcement	Attachme	nt Details	Location	
etc.)	No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Material	Nozzle	Flange	(Insp. Open.)
GAUGE	3	2" - 600	RFLWN	SA105	SA105	0.655"	0.125"	INHERENT	UW-16.1c	N/A	N/A
GAUGE	3	3" - 600	RFLWN	SA105	SA105	0.81"	0.125"	INHERENT	UW-16.1c	N/A	N/A
INLET (A)	1	4" - 600	RFLWN	SA105	SA105	1"	0.125"	INHERENT	UW-16.1c	N/A	N/A
MANWAY (M)	1	20" - 600	RFLWN	SA105	SA105	2.97"	0.125"	SA105 70N	UW-16.1c	N/A	CYLINDER #1
LIQUID OUTLET (B)	1	5.76" - 600	RFLWN	SA105	N/A	0.432"	0.125"	INHERENT	UW-16.1c	N/A	N/A

1. Supports: S	Skirt	YES	Lugs	N/A	Legs	.egs N/A		N/A	Attached	ELLIPSOIDAL HEAD #1 - WELDED		
		(Yes or no)		(Number)		(Number)		(Describe)		(Where and how)		

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors, have been furnished for the following items of the report:

SHELL BY GREENS BAYOU PIPE MILL, HOUSTON, TX (CERT 42546) S/N 6256-002

(Name of part, item number, Manufacturer's name and identifying stamp)

IMPACT TESTING EXEMPT Ug-20 (f)
FOR NON-LETHAL & NON-CORROSIVE SERVICE
OVER PRESSURE PROTECTION BY OTHERS

FORM U-1A (Back)

NB Number 106

		CERTIFICATE OF SHOP/FIELD C in this report are correct and that all de PRESSURE VESSEL CODE, Section \	tails of design, material						
Date 02/22/2016	Co. name	Summit Energy Equip	ment	Signed	Manracontativa)				
		(Manufacturer)		*Representative)					
		CERTIFICATE OF SHOP	/FIELD INSPECTION						
Vessel constructed by Summit Energy Equipment at 41 HC Pioneer Pkwy., Sulphur Springs, Texas, 75482, USA									
i, the undersigned,	noiding a valid co	mmission issued by The National Boar	d of Boller and Pressur	e vessei inspec	tors and employed by				
OneCIS Insurance Com	pany, of Lynn, MA								
and state that, to the AND PRESSURE V warranty, expressed	e best of my knov /ESSEL CODE, S d or implied, cond	ribed in this Manufacturer's Data Repor vledge and belief, the Manufacturer has Section VIII, Division 1. By signing this serning the pressure vessel described in an any manner for any personal injury or	s constructed this press certificate neither the Ir n this Manufacturer's D	sure vessel in ac espector nor his/ ata Report. Furt	her employer makes any thermore, neither the Inspector				
Date03/28/	2016 Signe	d (Authorized Inspector)	_ Commissions	[National B	11944AB Board (incl. endorsements)]				

2469192 exe: v6.4.28 Form and version: U1A-18

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM) A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1.	Greens Bayou Pipe Mill 13935 Industrial Road Houston, Texas 77015																				
2.	(Name and address of Manufacturer) Manufactured for Northshore Supply 13935 Industrial Road Houston, Texas 77015																				
	3. Location of installation (Name and address of Purchaser) Unknown																				
	(Name and address)																				
٠.	1. Type 2 Shell 6256-001 THRU 6256-002 [Description of vessel part (shell, two-pièce head, tube bundle)] (Manufacturer's serial number) (CRN)																				
(National Board pumber)									201												
5. ASME Code, Section VIII, Div. 1 2013 (Year built)																					
6.	Shell: (a	Nur	nber	of cours	e(s)	ition and Ad	denda,	applica	cable (date)] (Code Case number) (Special service) (b) Overall length 13'-0"							service p	er UG-120	(d)]			
		Cour	se(s)	***************************************		Material		Thic	kness	L	ona. J	oint (C	at A)		Circu	ım. Joint (Ca	ΛĐ	8. C) T	Uant To		
No.	Diame	er		Length	Spec	./Grade o	Туре	Nom.	***************************************			Spot, 1		Eff.		Full, Spot,		Eff.	Temp.	eatment Time	
1	36" O			8'-0"		SA516-70-	V	1.00"	*	1		Full		*	1	Full		•		7,,,,,	
1	36" O	?		5'-0"		SA516-70-	4	1.00"	,	1		Full		•							
<u> </u>	1							<u> </u>			<u> </u>										
									Body Flan	iges on	Shells			· .				-	·····		
																Вс	olting				
No	. Туре	+-	ID	OD	Flange Th	k Min Hu) Thk	Materia	l How	Attached	3 L	ocation	N	um & 5	Size E	Bolting Material		Washer (OD, ID, thk)		Washer Material	
								······································			_										
		1			-	+			_				-								
7 1	1						- # <u>-</u>					70			11		<u> </u>				
/- F	leads: (a)		(M	laterial spe	c. number, (rade or typ	e) (H.T	– time an	d temp.)		(b)		(Mat	erial sr	APC OUM	ber, grade or typ	-VIII T				
	Location (Тор,		ckness	Rac		Ellipt		Conical	Hom	inaka.						w) (n. 1,				
	Bottom, E	nds)	Min.	Corr.	Crown	Knuckle					Hemispherica Radius		Flat Diameter		Convex	Concave	Туре	· · · · · · · · · · · · · · · · · · ·	gory A Spot, No	ne Eff.	
(a)																-	туро	1	ροι, 140	ile Lii.	
(b)				<u></u>																	
						·			Body Flan	ges on H	leads										
											T					Bol	ting				
(a)	Location	T	ре	OI.	00	Flange	Thk N	lin Hub T	hk Ma	terial	How .	Attached	Nu	m & S	ize B	olting Material	al (OD, ID, thk) V		Washe	r Material	
(b)							-												, vasile	- Widterial	
0 8	I ALAKO											-	-l				······				
8. IV	IAWP	nterna	1)	(Externa	at m	ax. temp.		(Internal)		/Evtern	oll .	Min.	desig	n me	tal tem	ıp		_ at			
9. In	npact test	*****	······		lladia			No								temperature					
0. H	ydro., pne	J., or	com	b. test p	ressure	te yes or no	and the No	componi ne	ent(s) impa	Ct lested)						iomperature	01 _				
1, N	ozzles, ins	eçti	on, ar	d safet	y valve o	penings:				FIOOI	rest -										
3,50	Purpos				Diameter		T	Mat	erial	No	zzle T	hicknes								 1	
(Inle					or Size	Туре	,	Vozzle	Flange		om.	Cor			orceme aterial	nt Attach Nozzle	The second second	Jetails lange		ation	
																1402216		របស្ដេច	misp.	Open.)	
																	_				
2. ld	entification	ofp	art(s)														*****				
	Nam	of P	art		Quantity	Line No.	Mfr's	, Identif	ication N	0.	Mfr's	Drawi	na No	1	- T		1				
					1					No. Mfr's. Drawin			119 110			CRN Natio		ional Board No.		ear Built	
																		-			
3. Su	pports: Sk	rt _	Νo	Lu	gs	La.	ns		Other			-		<u>-</u>	- (.						
1. Re	marks		Yes or	no)	(Nuit	iber)	11	lumber)	Other		(Des	criba)		_ Atti	ached		(Whe	re and ho	w)		
	TIME THE TIM																				

FORM U-2A (Back)

	CERTIFICATE OF SHOP/	FIELD COMPLIANCE	
We certify that the statements mad vessel part conform to the ASME B U Certificate of Authorization No	OILER AND PRESSURE VESSEL CODI	I details of material, co E, Section VIII, Division 01/19/2018 Signed	onstruction, and workmanship of this pressure
	CERTIFICATE OF SHOP	FIELD INSPECTION	•
	commission issued by the National ted Inspection Associates, LLC	I Board of Boiler and	Pressure Vessel Inspectors and employed by Houston, Texas
have inspected the pressure vessel	part described in this Manufacturer's I	Data Report on	12 / 8 / 2015
and state that, to the best of my k	nowledge and belief, the Manufact	urer has constructed	this pressure vessel part in accordance with
ASME BOILER AND PRESSURE VE	SSEL CODE, Section VIII, Division 1.	By signing this certific	cate neither the Inspector nor his/her employer
makes any warranty, expressed or in	nplied, concerning the pressure vessel	part described in this N	Manufacturer's Data Report. Furthermore, neither
the inspector nor his/her employer	shall be hable in any manner for any p	ersonal injury or prope	rty damage or a loss of any kind arising from or
connected with this inspection.	(18/111) rel		
Date12 / 8 / 2015 Signed	(IMILE UE(./3-	Commissions	NB13919A
Date Jigned	(Authorized Inspirator)		[National Board (inc). endorsaments)]

(07/13)

Section .

NB-106 Shell

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